

Senate Study Bill 1184

SENATE FILE _____
BY (PROPOSED COMMITTEE ON
GOVERNMENT OVERSIGHT BILL
BY CHAIRPERSON LUNDBY)

Passed Senate, Date _____ Passed House, Date _____
Vote: Ayes _____ Nays _____ Vote: Ayes _____ Nays _____
Approved _____

A BILL FOR

1 An Act relating to concrete mixtures used for paving highways and
2 including an applicability provision.
3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:
4 TLSB 3390XC 80
5 dea/cl/14

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1 1 Section 1. NEW SECTION. 314.29 HIGHWAY CONCRETE
1 2 SPECIFICATIONS.
1 3 In establishing specifications for highway construction,
1 4 reconstruction, improvement, and repair projects, the state
1 5 department of transportation shall allow, to the extent
1 6 practicable, up to thirty percent fly ash as a substitute for
1 7 cement in paving concrete.
1 8 Sec. 2. STUDY. The state department of transportation
1 9 shall monitor the effects of increasing the percentage of fly
1 10 ash in paving projects pursuant to this Act, including such
1 11 factors as cost-effectiveness, necessary modifications to
1 12 construction techniques and equipment, concrete workability,
1 13 pavement durability and longevity, and reaction of pavement to
1 14 weather cycles. In addition, the department shall conduct a
1 15 study of the feasibility of expanding the use of fly ash in
1 16 highway concrete by investigating the experience of other
1 17 states, with emphasis on states with a climate similar to that
1 18 of Iowa. The study shall also consider product quality and
1 19 availability, cost, environmental, and liability issues, and
1 20 other practical considerations relating to the use of fly ash.
1 21 The department shall report its findings to the general
1 22 assembly prior to the convening of the 2004 legislative
1 23 session.
1 24 Sec. 3. APPLICABILITY. Section 314.29, as enacted in this
1 25 Act, applies to new or ongoing highway projects for which
1 26 specifications have not already been established by contract
1 27 as of July 1, 2003.

EXPLANATION

1 28 This bill requires the state department of transportation
1 29 to increase the percentage of fly ash allowed in concrete
1 30 mixtures used in highway construction projects from 15 percent
1 31 to 30 percent, to the extent practicable. Fly ash is a by=
1 32 product of coal burned for the production of energy and is
1 33 commonly used as a partial substitute for cement in concrete.
1 34 The new requirement applies to new or ongoing highway
2 1 construction projects for which specifications have not been
2 2 established as of July 1, 2003.
2 3 The department is required to monitor Iowa's experience
2 4 with the increased use of fly ash in highway paving projects
2 5 as required by the bill. In addition, the department is
2 6 required to conduct a study of the feasibility of expanding
2 7 the use of fly ash in paving concrete by looking at the
2 8 experience of other states and by considering practical issues
2 9 such as product quality and availability, cost, and
2 10 environmental issues. The department is required to report
2 11 its findings to the general assembly prior to the beginning of
2 12 the 2004 legislative session.
2 13 LSB 3390XC 80
2 14 dea/cl/14.1